

## **ABSTRACT**

A composition for oral immunization comprising recombinant proteins AHMA and FP that afford protection from bacteria and protozoan ectoparasites respectively is disclosed. Also disclosed are compositions that have in addition, inactivated viruses and killed bacteria affording a wider spectrum of protection against infections that predominantly afflict aquatic species. Method of making these compositions and administering them either directly or by incorporating them into feed, as also the use of such compositions for treating animals in need of such treatment are also disclosed.